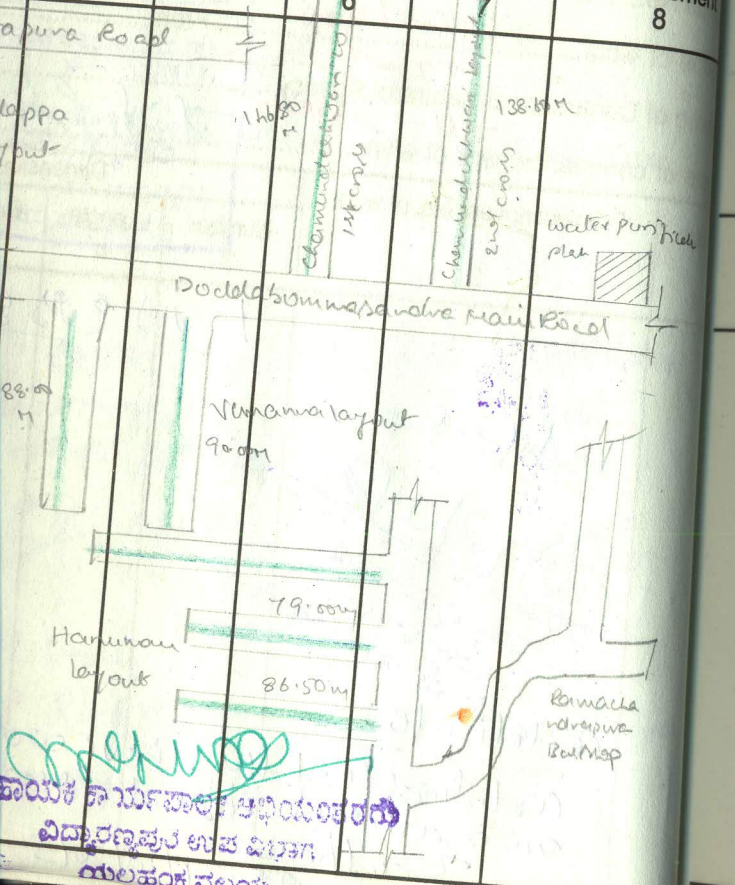
SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
er	Length 4	Breadth 5	Depth 6	7	8



First & Final Bill

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193461

Serial No.....

Name of work. Asphalting to Road from Maheshwara Temple to Ramachandra pura circle in ward no-10 (Doddabommasandra) From..... To.....

Name of Contractor of nature of Agency... Sri. Vinod Kumar.

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work code NO;	010-15-000015.					
	Indent NO;	14109.					
	Agreement NO;	310, Dated 16-02-2015.					
	Work order NO;	EE/BTP/BBMP/E-PMT/310/2014-15 Date 16-02-2015.					
	Address of Agency;	# 1662, Near Impact College 1st Floor Farm House Kadigehalli Bangalore -					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc						
	Ramachandra Pura Circle	2	13.00	0.45	0.20 =	2.34 Cum	5.40
		2	24.00	0.45	0.25 =	5.40 Cum	
		2	30.00	0.45	0.20 =	5.40 Cum	
		2	30.00	0.45	0.15 =	4.05 Cum	
		2	30.00	0.45	0.20 =	5.40 Cum	
		2	30.00	0.45	0.25 =	7.38 Cum	
2)	Ramachandra Pura Circle to Culvert	2	32.80	0.45	0.20 =	5.40 Cum	
	Culvert to overhead Tank	2	30.00	0.45	0.20 =	5.40 Cum	
		2	30.00	0.45	0.15 =	4.05 Cum	
		2	30.00	0.45	0.10 =	2.70 Cum	
		2	30.00	0.45	0.25 =	5.38 Cum	
		2	23.60	0.45	0.20 =	5.40 Cum	
		2	30.00	0.45	0.10 =	2.70 Cum	
		2	30.00	0.45			

Serial No.....

Name of work.....

Name of Contractor of nature of

Date of commencement of work

Date	Full description, etc, of wo
1	2
	Berm cutting
	road to Ramacha Pura Circle
	Ramachandrapu Circle to Culver
	Culvert to over Tank

ASUREMENT BOOK

ber	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	by manual means in ordinary soil horizontal throw upto 2 meters and an sm, excavated surface leveled and Sidey sposed earth to be leveled neatly after				
	13.00	0.45	0.20 =	2.34 Cum	
	24.00	0.45	0.25 =	5.42 Cum 5.40	
	30.00	0.45	0.20 =	5.40 Cum	
	30.00	0.45	0.15 =	4.05 Cum	
	30.00	0.45	0.20 =	5.40 Cum	
	32.80	0.45	0.25 =	7.38 Cum	
	30.00	0.45	0.20 =	5.40 Cum	
	30.00	0.45	0.20 =	5.40 Cum	
	30.00	0.45	0.15 =	4.05 Cum	
	30.00	0.45	0.10 =	2.70 Cum	
	23.60	0.45	0.25 =	5.31 Cum	
	30.00	0.45	0.20 =	5.40 Cum	
	30.00	0.45	0.10 =	2.70 Cum	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193462

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Berm cutting	2	18.00	0.45	0.15 =	2.43 Cum	
	Croll to Ramachandra Pura Circle	2	13.00	0.90	0.20 =	4.68 Cum	
		2	24.10	0.65	0.25 =	7.83 Cum	
		2	30.00	0.70	0.15 =	6.30 Cum	
		2	30.00	0.65	0.10 =	3.90 Cum	
	Ramachandrapura Circle to Culvert	2	30.00	0.60	0.10 =	3.60 Cum	
		2	32.80	0.70	0.25 =	11.48 Cum	
	Culvert to overhead Tank	2	30.00	0.80	0.20 =	6.00 Cum	
		2	30.00	0.65	0.15 =	5.85 Cum	
		2	30.00	0.60	0.20 =	7.20 Cum	
		2	30.00	0.75	0.20 =	9.00 Cum	
		2	23.60	0.80	0.20 =	7.55 Cum	
		2	30.00	0.75	0.20 =	9.00 Cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C/F e Mohur	2	30.00	0.75	0.20 =	8.00 Cum	
		2	30.00	0.75	0.25 =	11.25 Cum	
		2	18.00	0.70	0.20 =	5.04 Cum	171.04
					Total =	162.07 Cum	
		Qty limited to Tender			=	135.68 Cum	
		@ RS 75.50				RS 10244.00	
2)	Scarifying existing Stone metal layer upto 75mm thick along with their bituminous Surface, Picking up Scarified materials and stacking of old Serviceable materials with lead of 100mt, Sequential Spreading of the Salvaged aggregates with fresh aggregates on prepared base and consolidating as Per water bound macadam Specifications						
	Maheshwara Temple to Ramachandra Para Circle	1	13.00	(10.4+10.8+6.0)/3	=	135.20 Sqm	
		1	24.10	(6.0+5.60)/2	=	139.78 Sqm	

Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Ramachandra Para Circle to Culvert
	Culvert to over head Tank

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
00	0.75	0.20 =	8.00 Cum	
00	0.75	0.25 =	11.25 Cum	
00	0.70	0.20 =	5.04 Cum	171.04
		Total =	169.07 Cum	
d to Tender		=	135.68 Cum	
50			Rs 102444.00	

al layer upto 75mm thick along
e, Picking up Scarified materials
Cable materials with lead of
of the Salvaged aggregates with
ed base and consolidating by
Rollers etc)

(14.4+10.8+6.0) / 3 = 135.20 Sqm

(6.0+5.60) / 2 = 139.78 Sqm

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193463

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Ramachandrapuram Circle to Culvert	1	30.00	(5.2+4.0)/2	=	153.00 Sqm	138
		1	30.00	(4.0+5.0)/2	=	135.00 Sqm	
		1	30.00	(5.0+4.0)/2	=	135.00 Sqm	
	Culvert to over head Tank	1	32.80	(4.0+5.0)/2	=	147.60 Sqm	
		1	30.00	(5.0+4.50)/2	=	142.50 Sqm	
		1	30.00	(5.0+4.50)/2	=	135.00 Sqm	142.50
		1	30.00	(4.5+5.0)/2	=	142.50 Sqm	
		1	30.00	(5.0+5.0)/2	=	150.00 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CSFT Metho	L	23.60	(5.10+5.20)/2		= 121.54 Sqm	
		L	30.00	(5.2+4.80)/2		= 145.80 Sqm	
		L	30.00	(4.5+4.60)/2		= 136.50 Sqm	
		L	18.00	(4.60+4.50)/2		= 81.90 Sqm	
						Total = 190.02 Sqm	
		Qty limited to Tender				= 1876.00 Sqm	
		@ Rs 82.60				Rs 154958.00	
						Jadhav AE 31/10/2015	
3)	providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including providing the material with at OMC in mechanical mix plant carriage of mixed material by tipper to site laying						

Serial No.....
Name of work.....
Name of Contractor of nature
Date of commencement of w

Date	Full description, etc, o
1	2
	Maheshwara Te to Ramachan Circle
	Ramachandra P Circle to Culv
	Culvert to cover Tank

MENT BOOK

Dimensions			Contents	Reference to last Measurement
gth 4	Breadth 5	Depth 6	7	8
00	$\frac{(5.30+5.0)}{2}$	=	154.50 Sqm	
00	$\frac{(5.0+5.80)}{2}$	=	162.00 Sqm	
00	$\frac{(5.8+6.6)}{2}$	=	178.50 Sqm	
0	$\frac{(6.10+6.40)}{2}$	=	147.50 Sqm	
0	$\frac{(4.5+4.20)}{2}$	=	130.50 Sqm	
0	$\frac{(4.2+4.40)}{2}$	=	124.50 Sqm +29	
0	$\frac{(4.4+4.50)}{2}$	=	80.10 Sqm	9016.32
	Total	=	2013.82 Sqm	
to	Tender	=	2010.00 Sqm	
00			Rs 24120.00	

Coat for Surface of medium
ed Soil @ 1.10kg/Sqm over

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193466

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	prepared surface with S-S bitumen emulsion using bitumen tanker fitted with spray set (excluding clearing of road surface) including cost of all material, labour hire of machinery etc						
	Qty vide Item No-04 @ Rs 74.20					= 2010.00 Sqm	Rs 149142.00
6)	providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with Smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MoRTH						
	Maheswara temple to Ramachandrapura Circle	1	13.00 (4.40+10.80+16.0)/3		0.025	= 3.38 Cum	
		1	24.10 (6.0+5.60)/2		0.025	= 3.48 Cum	
	C&FC.	1	30.00 (6.2+4.50)/2		0.025	= 4.01 Cum	
		1	30.00 (4.5+5.50)/2		0.025	= 3.75 Cum	
	Ramachandrapura Circle to Culvert	1	30.00 (5.50+4.10)/2		0.025	= 3.60 Cum	
		1	32.80 (4.1+5.0)/2		0.025	= 3.75 Cum	
	Culvert to over head tank	1	30.00 (5.2+5.30)/2		0.025	= 3.94 Cum	
		1	30.00 (5.3+5.0)/2		0.025	= 3.86 Cum	
		1	30.00 (5.0+5.8)/2		0.025	= 4.0 Cum	
		1	30.00 (5.8+6.1)/2		0.025	= 4.16 Cum	

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
				rotary and tandem roller to
				on of per MORTH
00	(4.40+10.80+6.0)/3	x0.025	= 3.38 Cum	
10	(6.0+5.60)/2	0.025	= 3.48 Cum	
00	(6.2+4.50)/2	0.025	= 4.01 Cum	
00	(4.5+5.50)/2	0.025	= 3.75 Cum	
00	(5.50+4.10)/2	0.025	= 3.60 Cum	
80	(4.1+5.0)/2	0.025	= 3.73 Cum	
00	(5.2+5.30)/2	0.025	= 3.94 Cum	
00	(5.3+5.0)/2	0.025	= 3.86 Cum	
00	(5.0+5.80)/2	0.025	= 4.05 Cum	
00	(5.8+6.10)/2	0.025	= 4.06 Cum	

C&FC Recd

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193467

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	C&FC Recd	1	23.60	(6.10+6.40)/2	0.025 =	3.69 Cum	
		1	30.00	(4.5+4.20)/2	0.025 =	3.26 Cum	
		1	30.00	(4.2+4.40)/2	0.025 =	3.11 Cum	C&FC Recd
		1	18.00	(4.4+4.50)/2	0.025 =	2.00 Cum	
					Total =	50.35 Cum	
		qty limited to tender =				50.25 Cum	
		@ Rs 11000.00				Rs 552750.00	

Jodhan
AE

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7) Lead for Disposal of Debris shall be payable at Carriage rates by Mechanical means including loading and unloading						
	Qty vide Item No- 1					= 122.11 Cum	
	@ Rs 73.20					Rs 8935.00	
						Total Rs	14,76,219.00
						Zadhav AE 31/10/2015	1477018
	Certificate:- Certified that the above work done satisfactory and no materials issued from departmentally Zadhav AE 31/10/2015						

Serial No.....
Name of work.....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc, of wo
1	2
	Sketch Sho
	Zadhav AE

BD-219
20/11/15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Audited & Admitted for Rs 1476210.00

1229574.00 by Change

and Rs 229636.00 by abatement

Accts. Suool.
Bystaravanapura Dn.
BBMP

Exe. Engineer
Bystaravanapura Dn.
BBMP

24/11/16

ET - 14763.00
VAT - 59052.00
LDF - 14763.00
CBF - 1477.00
PSD - 88573.00
LP - 45000.00
ETDE - 3010.00
Dhulvad - 229636.00

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3